

U.S. Patent Application Serial No. 10/620,466
Response filed March 18, 2005
Reply to OA dated January 26, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended): A deflection yoke device comprising a main yoke portion for deflecting an electron beam emitted by an electron gun, and a convergence yoke portion for adjusting the convergence of the electron beam, the main yoke portion and the convergence yoke portion being coaxially arranged as positioned in proximity to each other, the convergence yoke portion being provided with a coil having short-circuited opposite ends, wherein the convergence yoke portion comprises a convergence horizontal coil wound around a region of the core, and wherein the short-circuited coil is provided around the region of the core on which the convergence horizontal coil is wound.

Claim 2. (Original): A deflection yoke device according to claim 1 wherein the convergence yoke portion comprises an annular convergence core, a convergence horizontal coil wound around both of left and right two regions of the core which intersect a horizontal axis, and a convergence vertical coil wound around both of upper and lower two regions of the core which intersect a vertical axis, the short-circuited coil being provided around each of the left and right two regions of the core.

Claim 3. (Original): A deflection yoke device according to claim 2 wherein the two short-circuited coils provided around the respective left and right two regions of the core each have opposite ends connected to each other.

Claim 4. (Original): A deflection yoke device according to claim 2 wherein one end of one of the two short-circuited coils provided around the respective left and right two regions of the core is connected to one end of the other short-circuited coil, and the other end of said one short-circuited coil is connected to the other end of the other short-circuited coil.

Claim 5. (Original): A deflection yoke device according to claim 2 wherein the short-circuited coils each have at least one turn.

Claim 6. (Original): A deflection yoke device according to claim 2 wherein the convergence horizontal coil is connected at opposite ends thereof to a horizontal convergence correction circuit, and the convergence vertical coil is connected at opposite ends thereof to a vertical convergence correction circuit.

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Claim 7. (New): A deflection yoke device comprising a main yoke portion for deflecting an electron beam emitted by an electron gun, and a convergence yoke portion for adjusting the convergence of the electron beam, the main yoke portion and the convergence yoke portion being coaxially arranged as positioned in proximity to each other, the convergence yoke portion being provided with a coil having short-circuited opposite ends, wherein the convergence yoke portion comprises a convergence horizontal coil wound around both of left and right two regions of the core which intersect a horizontal axis, the short-circuited coil being provided around each of the left and right two regions of the core.